

Fig. 1
(Prior Art)

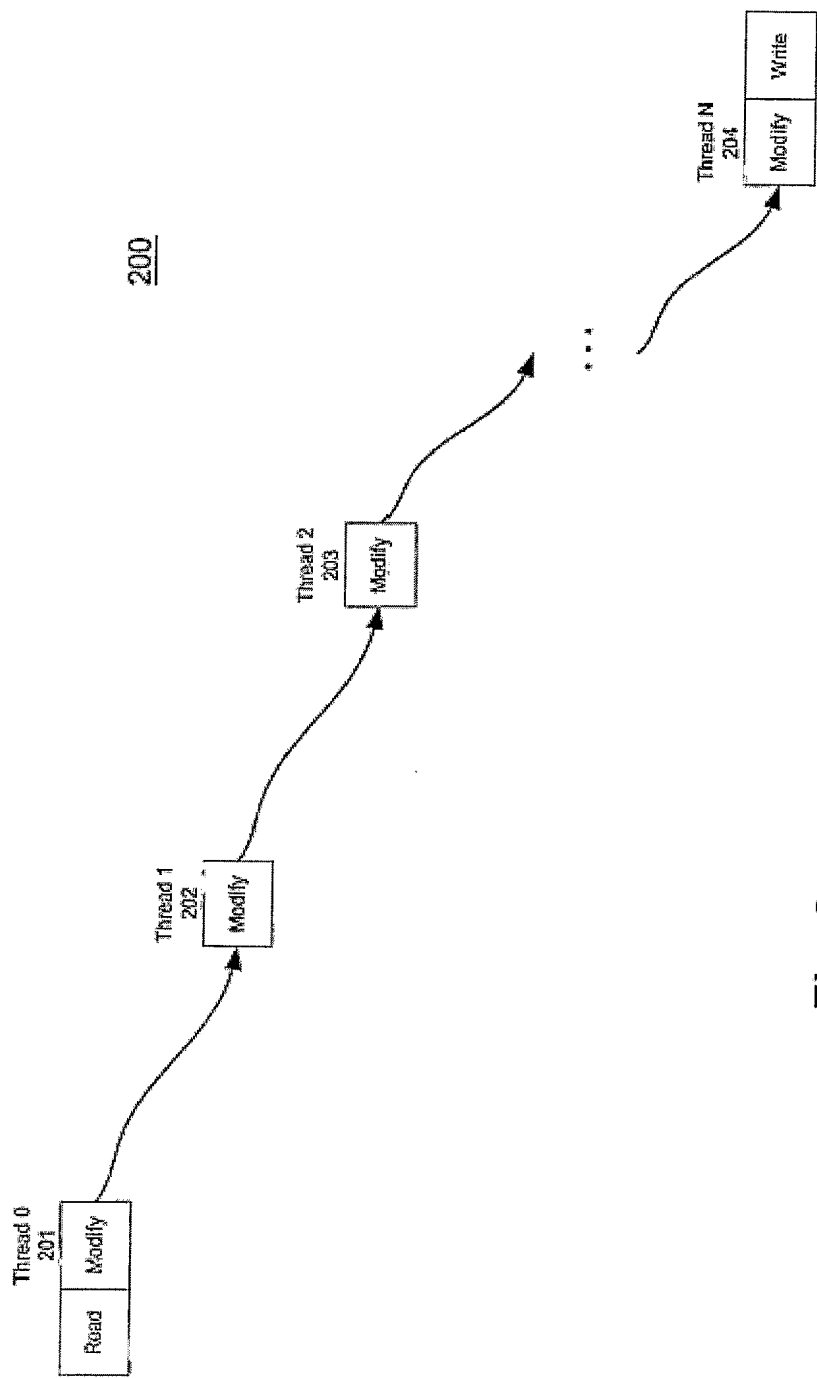


Fig. 2

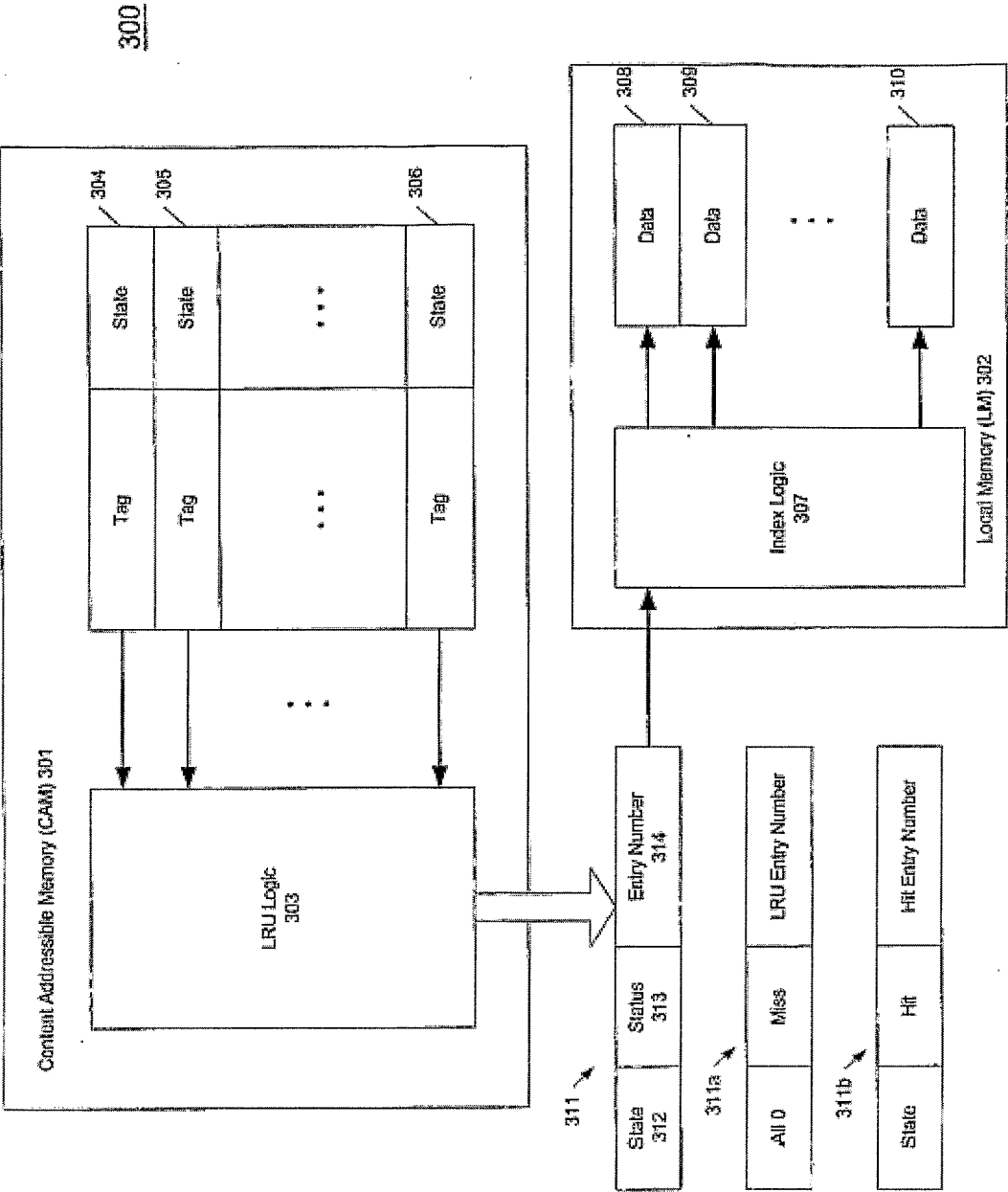


Fig. 3

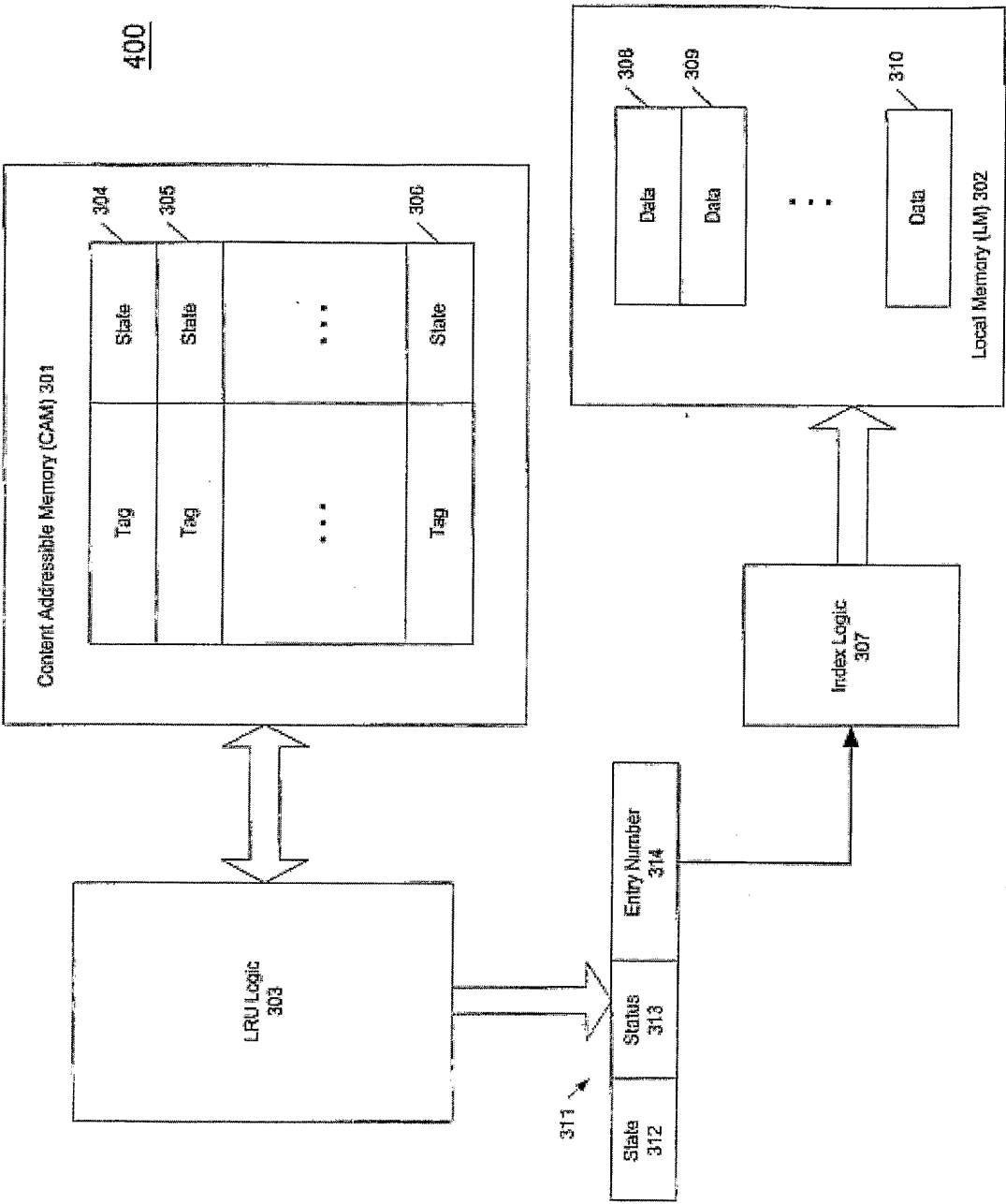
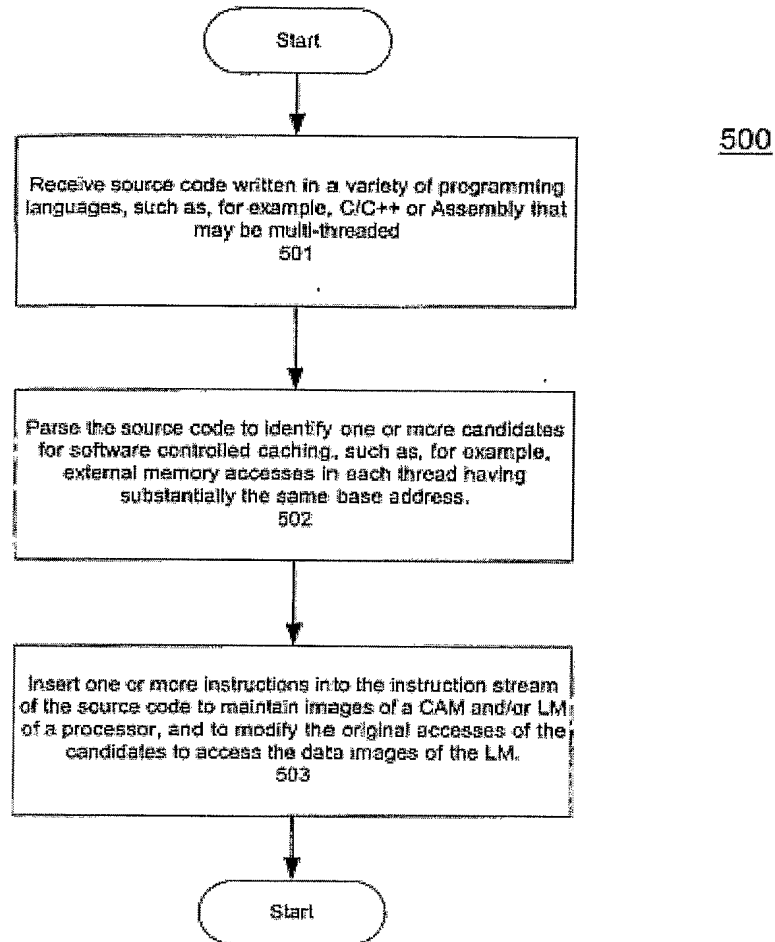


Fig. 4

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**Fig. 5**

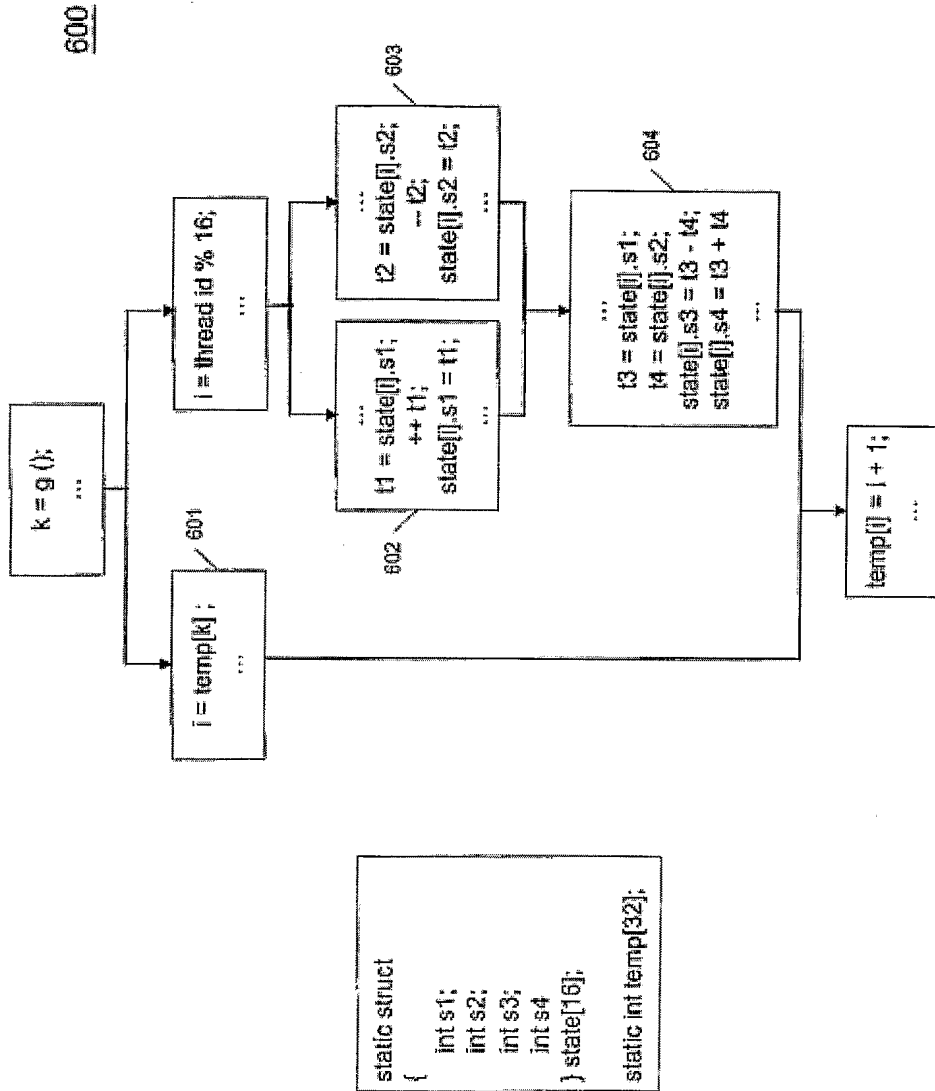


Fig. 6

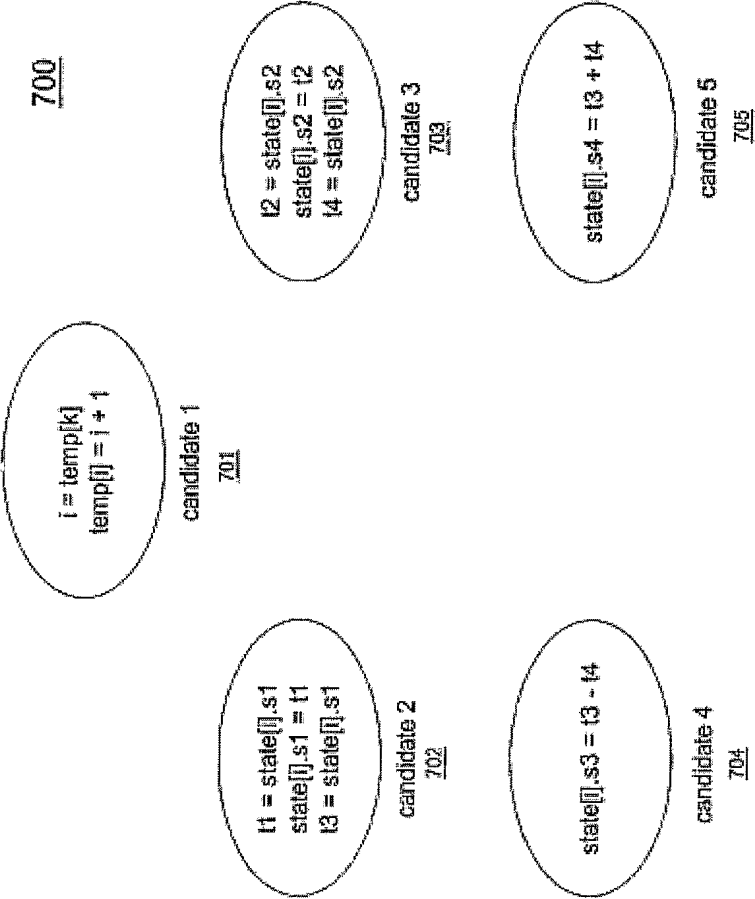
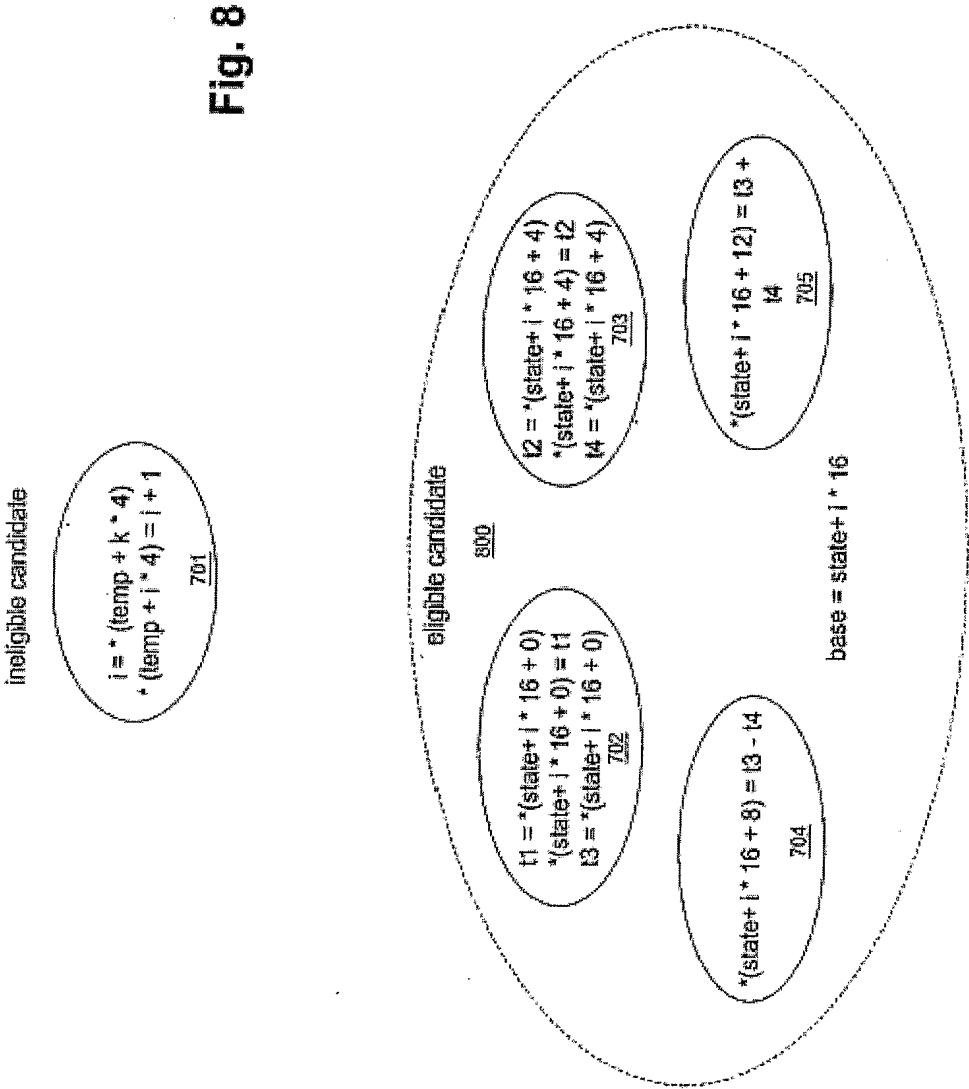


Fig. 7



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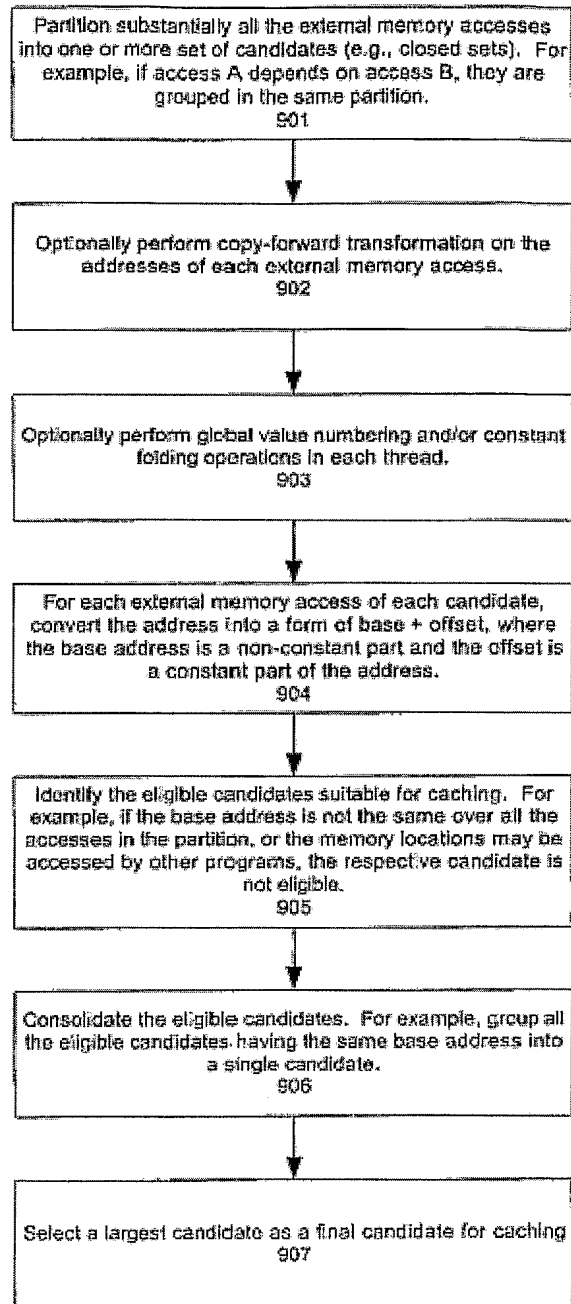


Fig. 9

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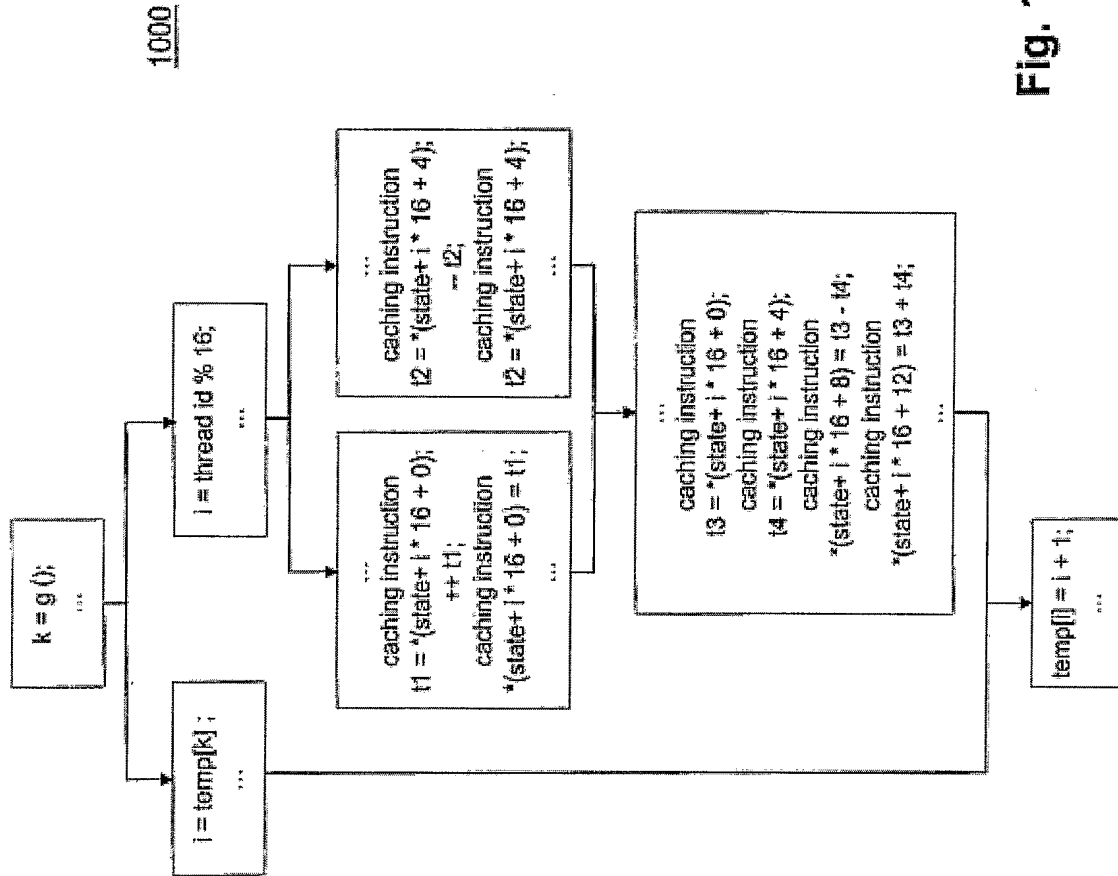


Fig. 10

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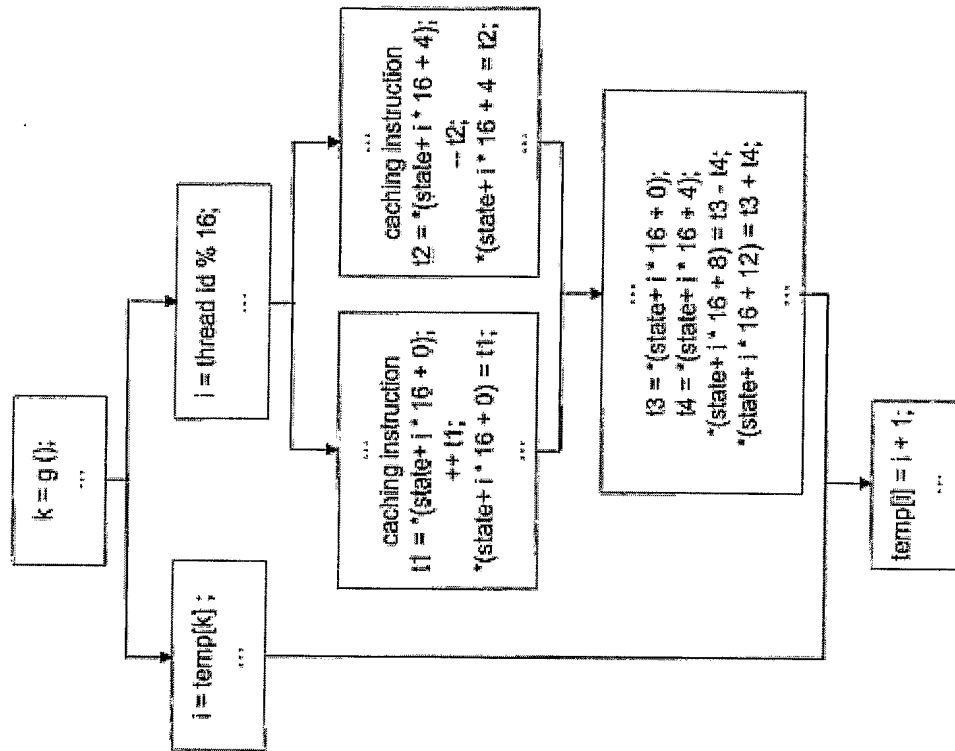


Fig. 11

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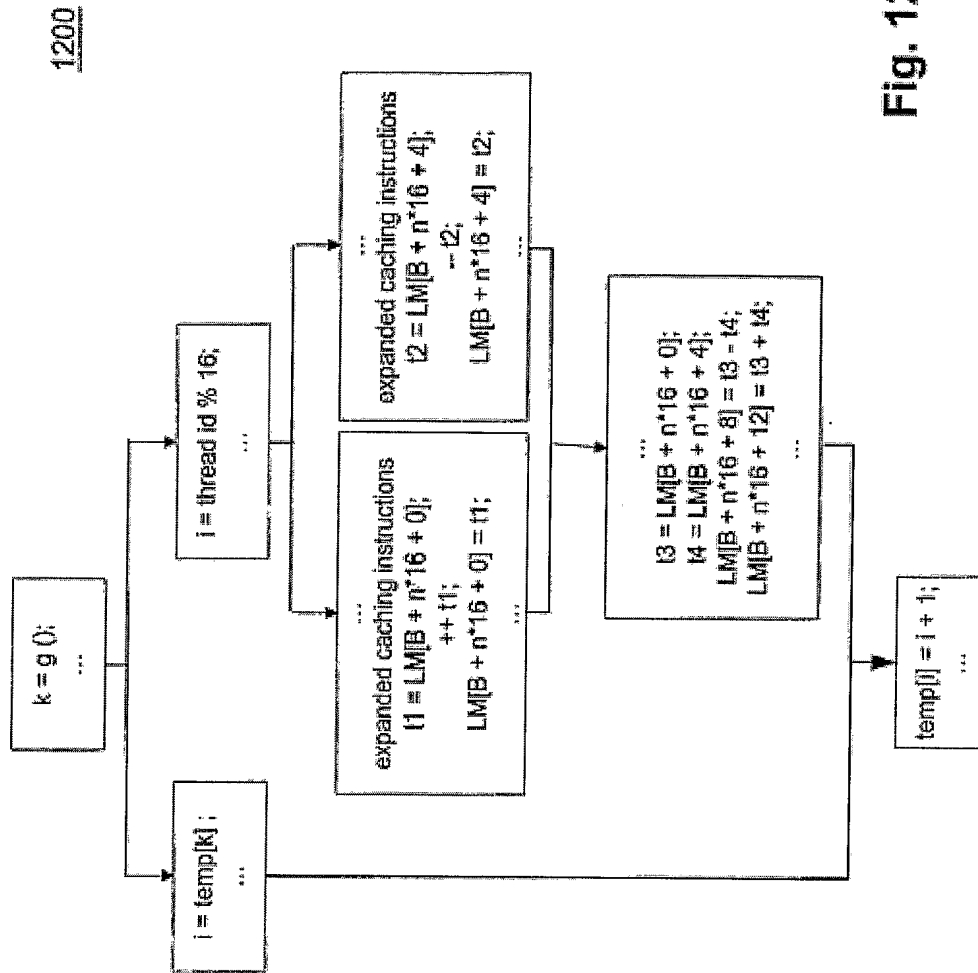


Fig. 12

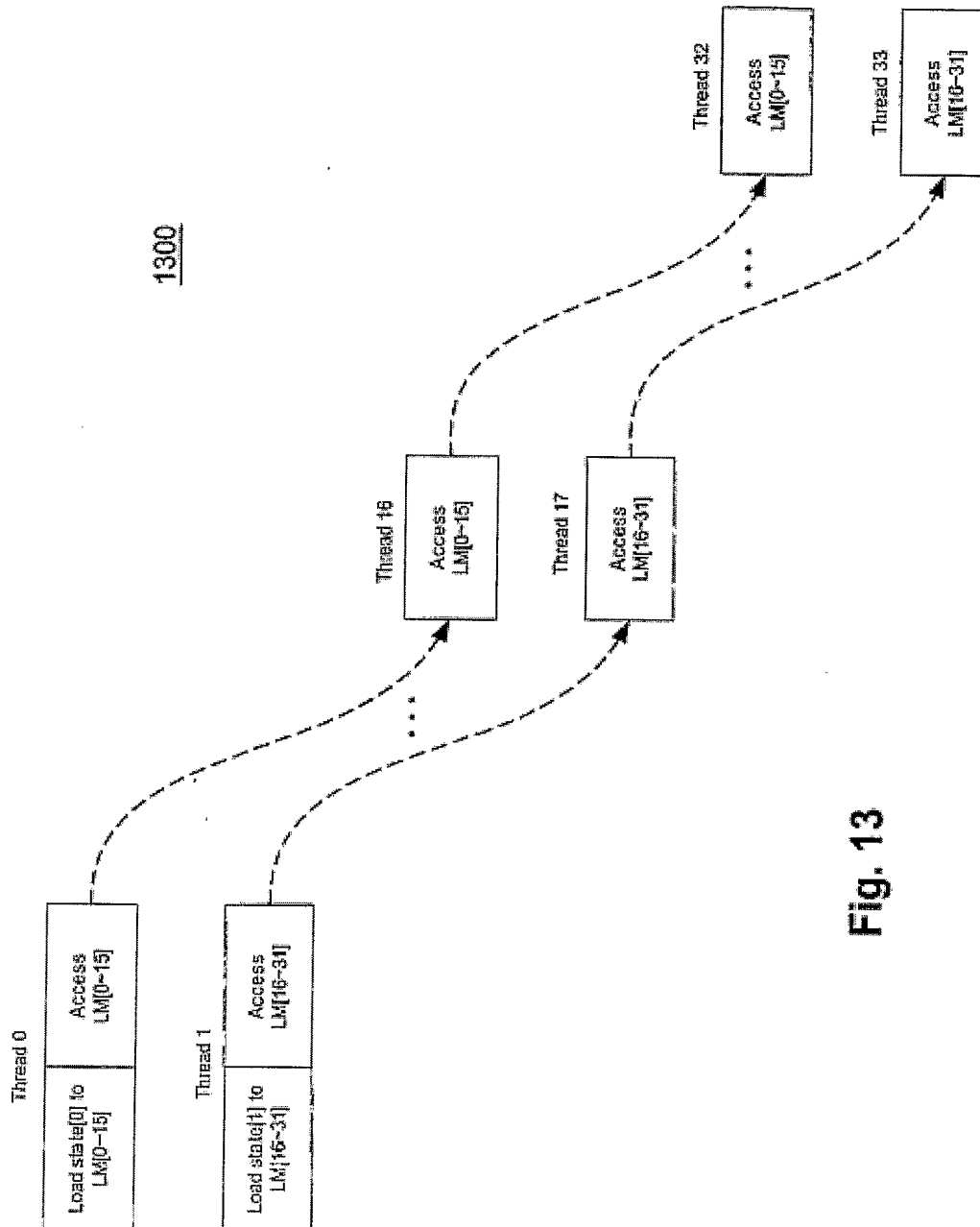


Fig. 13

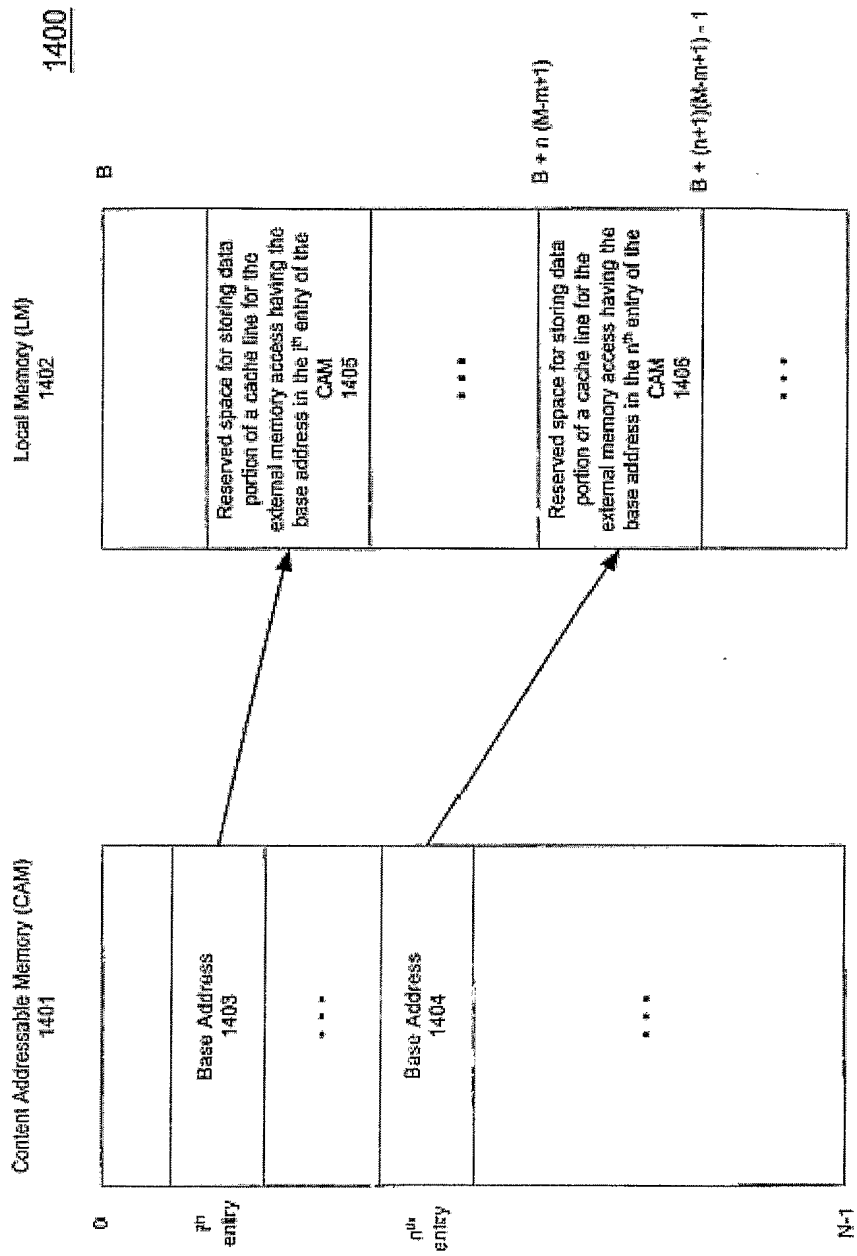
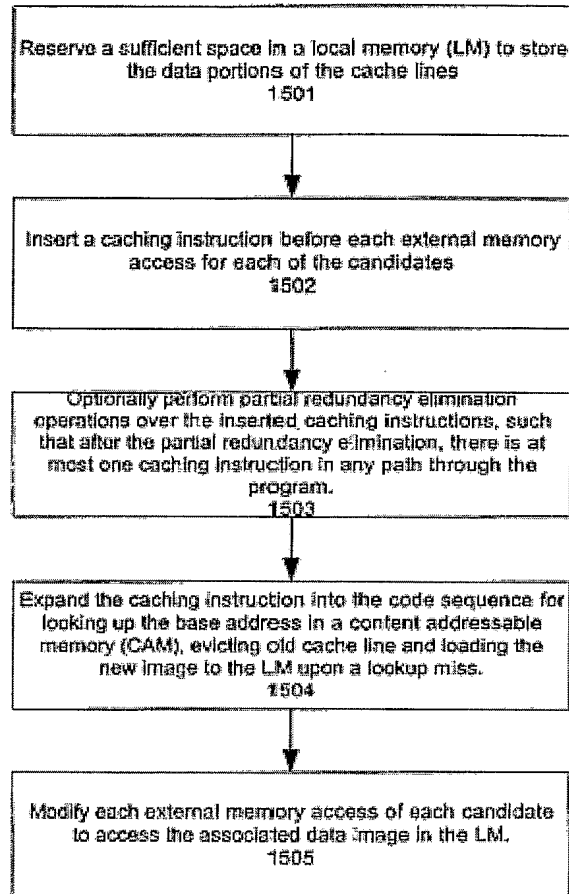


Fig. 14

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1500**Fig. 15**

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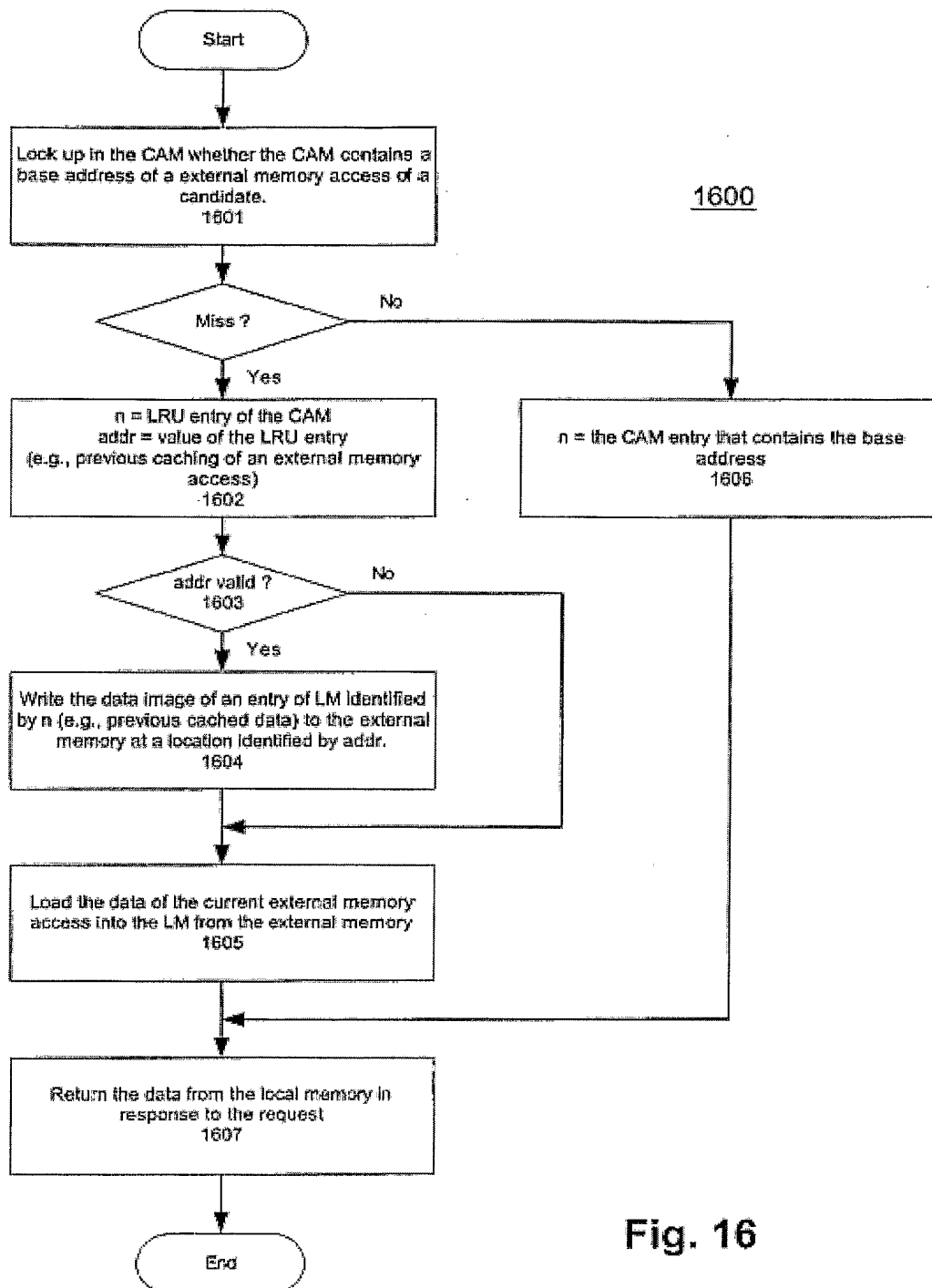


Fig. 16

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CAM lookup for base
if (lookup miss)
{
    n = the LRU entry in CAM;
    addr = the value contained in the LRU entry in CAM;
    if (addr is valid)
    {
        write the data image in LM (from  $B + n * (M-m+1)$  to
         $B + (n+1) * (M-m+1) - 1$ ) back to external memory
        (from  $addr + m$  to  $addr + M$ );
    }
    write base to the  $n^{\text{th}}$  entry in the CAM;
    load external memory (from  $base + m$  to  $base + M$ )
    to LM (from  $B + n * (M-m+1)$  to  $B + (n+1) * (M-m+1) - 1$ );
}
else
{
    n = the associated entry in CAM containing base;
}

```

Fig. 17

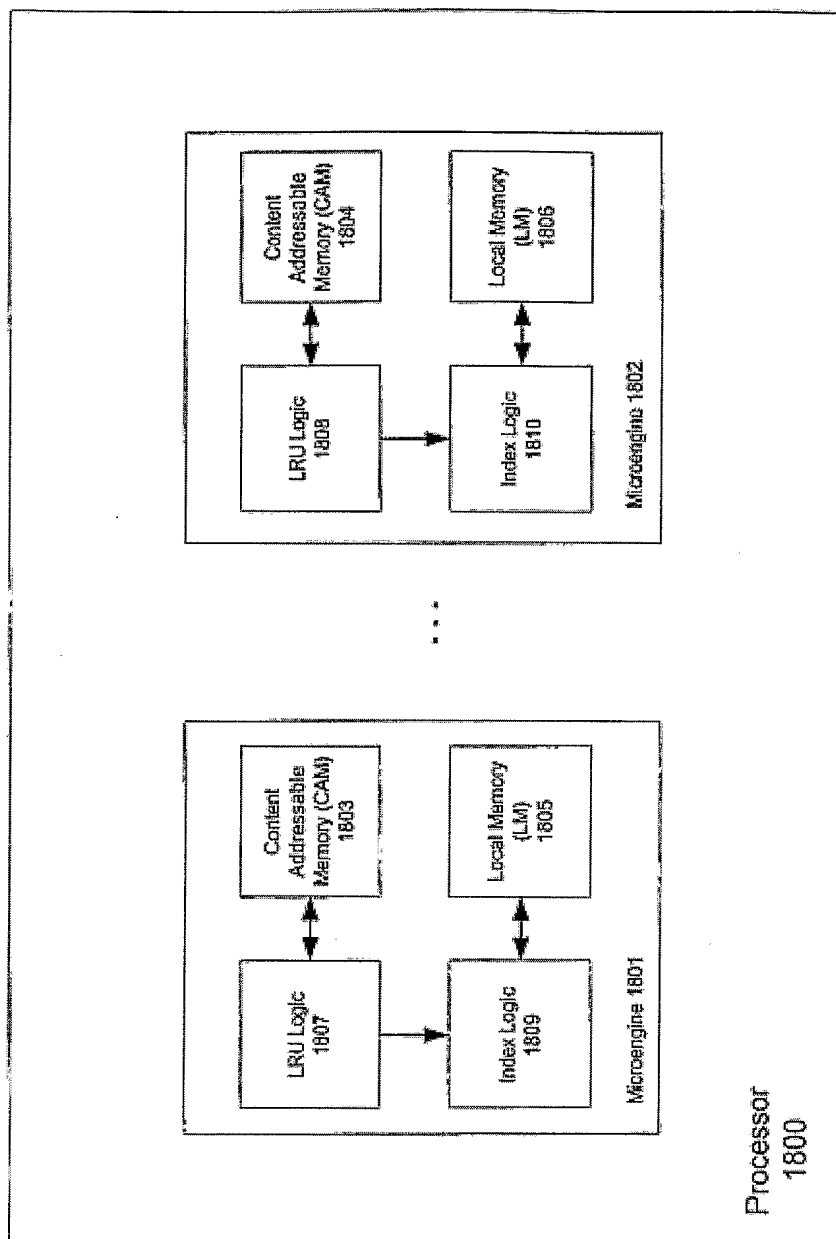


Fig. 18

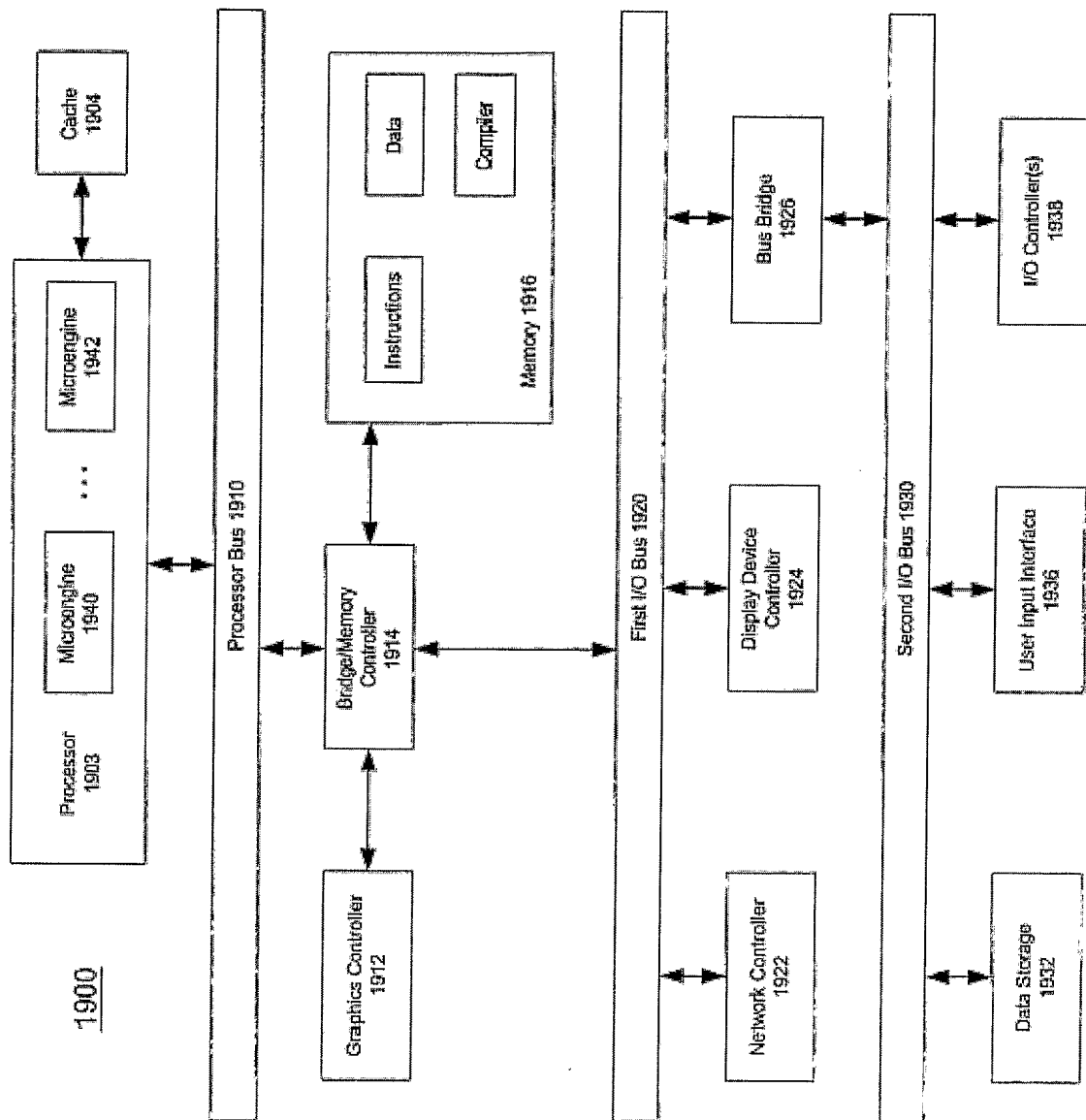


Fig. 19